

WHAT IS CLAIMED IS:

1. A method for reproducing an image in an image forming apparatus comprising a plurality of color developing units, comprising:
detecting a type and a position of each of the plurality of color developing units; and
reproducing the image based on the detected type and position of each of the plurality of color developing units.
2. A method according to claim 1, further comprising storing the detected type and position of each of the plurality of color developing units in a storage unit in the image forming apparatus,
wherein the image is reproduced based on the detected type and position of each of the plurality of color developing units stored in the storage unit.
3. A method according to claim 1, wherein the type of the color developing unit identifies the color of the color developing unit.
4. A method according to claim 3, further comprising:
determining whether the color of more than one of the plurality of color developing units is the same; and
generating an error signal if it is determined that the color of more than one of the plurality of color developing units is the same.
5. A method according to claim 3, further comprising:
determining whether the color of more than one of the plurality of color developing units is the same; and
notifying a user of the image forming apparatus if it is determined that the color of more than one of the plurality of color developing units is the same.

6. A method according to claim 3, wherein the color developing units are installed in a revolving unit, the method further comprising:

identifying a color to be developed;

determining the position of the color developing unit corresponding to the identified color based on the detected type and position of each of the plurality of color developing units; and

rotating the revolving unit to place the color developing unit corresponding to the identified color at a developing position.

7. A method according to claim 6, wherein each of the color developing units perform their respective developing in a predetermined order, and

wherein the revolving unit is rotated to place each of the color developing units at the developing position in accordance with the predetermined order.

8. An image forming apparatus for reproducing an image, comprising:

a plurality of color developing units;

a developing unit detector configured to detect a type and a position of each of the plurality of color developing units; and

a printer control unit configured to control the reproduction of the image based on the type and position of each of the plurality of color developing units detected by the developing unit detector.

9. An image forming apparatus according to claim 8, further comprising a storage unit configured to store the detected type and position of each of the plurality of color developing units,

wherein the printer control unit image controls the reproduction of the image based on the detected type and position of each of the plurality of color developing units stored in the storage unit.

10. An image forming apparatus according to claim 8, wherein the type of the color developing unit identifies the color of the color developing unit.

11. An image forming apparatus according to claim 10, wherein the developing unit detector is further configured to determine whether the color of more than one of the plurality of color developing units is the same and generate an error signal if it is determined that the color of more than one of the plurality of color developing units is the same.

12. An image forming apparatus according to claim 10, wherein the developing unit detector is further configured to determine whether the color of more than one of the plurality of color developing units is the same and notify a user of the image forming apparatus if it is determined that the color of more than one of the plurality of color developing units is the same.

13. An image forming apparatus according to claim 10, further comprising a revolving unit upon which the color developing units are installed,
wherein the printer control unit is further configured to rotate the revolving unit to place a color developing unit corresponding to a color to be developed at a developing position in accordance with the position of the color developing unit corresponding to the color to be developed as detected by the developing unit detector.

14. An image forming apparatus according to claim 13, wherein each of the color developing units perform their respective developing in a predetermined order, and

wherein the printer control unit rotates the revolving unit to place each of the color developing units at the developing position in accordance with the predetermined order.